**B. P. Poddar Institute of Management and Technology**
**Department of Computer Science & Engineering**
**Software Engineering Lab (ESC-591)**
**AY: 2024-25 ODD Semester**
**Assignment-2 (Use Case Diagram)**

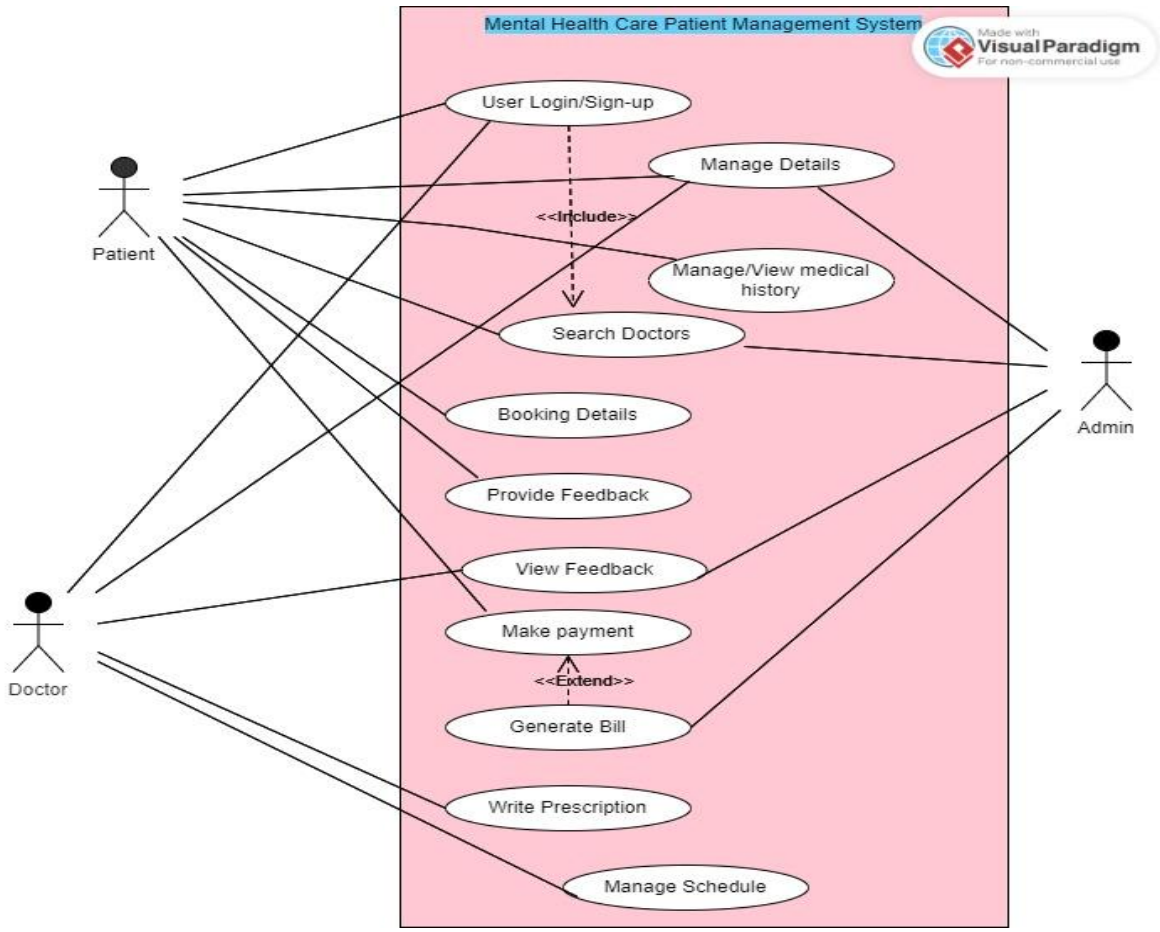
**Group No.** (Case Study No.) 1

**Case Study Title:** Mental Health Care Patient Management System

## List of Features/Functions summarized (from Assignment-1)

| Sl. No. | Function/Feature of the system (USECASE) | User (ACTOR) |
|---|---|---|
| 1. | User sign up/login | Doctors, patient |
| 2. | Manage details | Patient, doctor, admin |
| 3. | Manage/View medical history | Doctor, patient |
| 4. | Search doctors | Patient, admin |
| 5. | Booking details | Patient |
| 6. | Provide feedback | Patient |
| 7. | View feedback | Admin, doctors |
| 8. | Make payment | Patient |
| 9. | Generate bill | Admin |
| 10. | Write prescription | Doctor |

**Use Case Diagram** *(Insert Use case diagram here)*



**Tool Used:** **Visual Paradigm: Online UML Use Case Drawing Tool**
https://online.visual-paradigm.com/app/diagrams/#diagram:proj=0&type=UseCaseDiagram&gallery=/repository/f00dee03-aa37-4431-bdd1-52abdb8d24cf.xml&name=%20Online%20Therapy%20Platform%20Use%20Case%20Diagram

## Scenario Description:

## Usecase Name: Mental Health Care Patient Management System

**Usecase Description:** The use case diagram for the MHC-PMS (Mental Health Care Patient Management System) includes three primary actors: **Patients, Admins, and Doctors**, each interacting with the system in distinct ways.
**Patients** can register for services, schedule appointments, update personal health information, and access their appointment history.
**Admins** manage the system by viewing and updating patient profiles, assigning or reassigning therapists, reviewing and updating patient medical records, and generating reports on patient data.
**Doctors** view their scheduled appointments, update patient records and add notes, review patient history, and communicate with admins about patient assignments. The diagram **visually** connects these **actors** to their respective use cases within the system boundary, illustrating their interactions with the **MHC-PMS.**

**Actor(s): PATIENT (1) SRIJEETA DUTTA**

**Flow of Events/Scenario:**
- Patient accesses the MHC-PMS system through a web portal or mobile application
- Patient navigates to the registration section labeled 'Register for Services'.
- Patient enters personal information such as full name, contact details, date of birth, gender, and any relevant medical history.
- Patient selects the type of mental health services they are seeking (e.g., counseling, therapy, psychiatric evaluation).
- Patient reviews the entered information to ensure accuracy.
- Patient submits the registration form by clicking 'Submit' or equivalent button.
- The system validates the entered information and creates a unique patient ID or registration number.
- The system confirms successful registration with a notification message displayed to the patient.

**Alternate flow of events:**
- If the patient profile is not found either change the credentials or register for new user.

• If required fields are incomplete, the system prompts the patient to fill in the missing information before allowing submission.
• If there are issues with the registration process, such as technical errors or database connectivity problems, the system displays an error message and suggests retrying later or contacting support.